

PUBLIC NOTICE

PERMIT APPLICATION: **NRS 07.028**

APPLICANT: Southern Land Company
501 Corporate Center Drive
Suite 600
Franklin, TN 37067
(615) 778-1210

LOCATION: Corner of Windstone Boulevard and Falling Leaf Circle in Windstone Residents Club; Windstone is located on Murray Lane approximately 0.6 miles west of Granny White Pike; Brentwood, Williamson County. Latitude 36.0096; longitude -86.8326.

WATERSHED DESCRIPTION: Unnamed Tributary to Beech Creek- Harpeth River Watershed (HUC 05130204). Surrounding land use is residential and scattered woods. The unnamed tributary is not an exceptional Tennessee waters.

PROJECT DESCRIPTION: The proposed project involves the construction of a pond that will require 180 linear feet of channel to be modified. The existing spring is to be conveyed through a closed drainage system. A perforated 12-inch pvc pipe will be laid starting at the head of the spring and embedded in 1-2 inch diameter clean stone. The perforated pipe is to have a length of 40 linear feet and will be wrapped in a filter fabric to prevent debris from entering the pipe. This pipe system will allow the spring to continue towards the existing offsite creek. At the end of the perforated pipe system the pipe will transition to an un-perforated pvc pipe. This pipe will extend into a 2' x 4' x 4' concrete dam. The dam prevents the spring flow from going further down into the stone bedding. This will force the spring water into the perforated pipe as it backs up behind the dam. Beyond the dam the un-perforated pipe connects to the pond's concrete riser outlet structure. This structure will connect an existing 54-inch concrete storm pipe which outlets top the existing creek. The entire system will be buried with compacted clay and the existing pond expanded across the area.

Compensatory mitigation will occur both on and offsite. Downstream of the pond and on the north side of Falling Leaf Circle the applicant proposes to plant trees. In addition, the applicant proposes stream bank stabilization on two areas along the Little Harpeth River in Concord Park in Brentwood. Additional work on a swale from the Concord Road parking lot to the river is to be performed.

The applicant shall monitor the mitigation areas and submit annual reports to this office. In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

USGS TOPOGRAPHIC QUADRANGLE: **Oak Hill 308 SE**

PERMIT COORDINATOR: Mike Lee

SOUTHERN LAND COMPANY
NRS 07.028
PAGE 2.

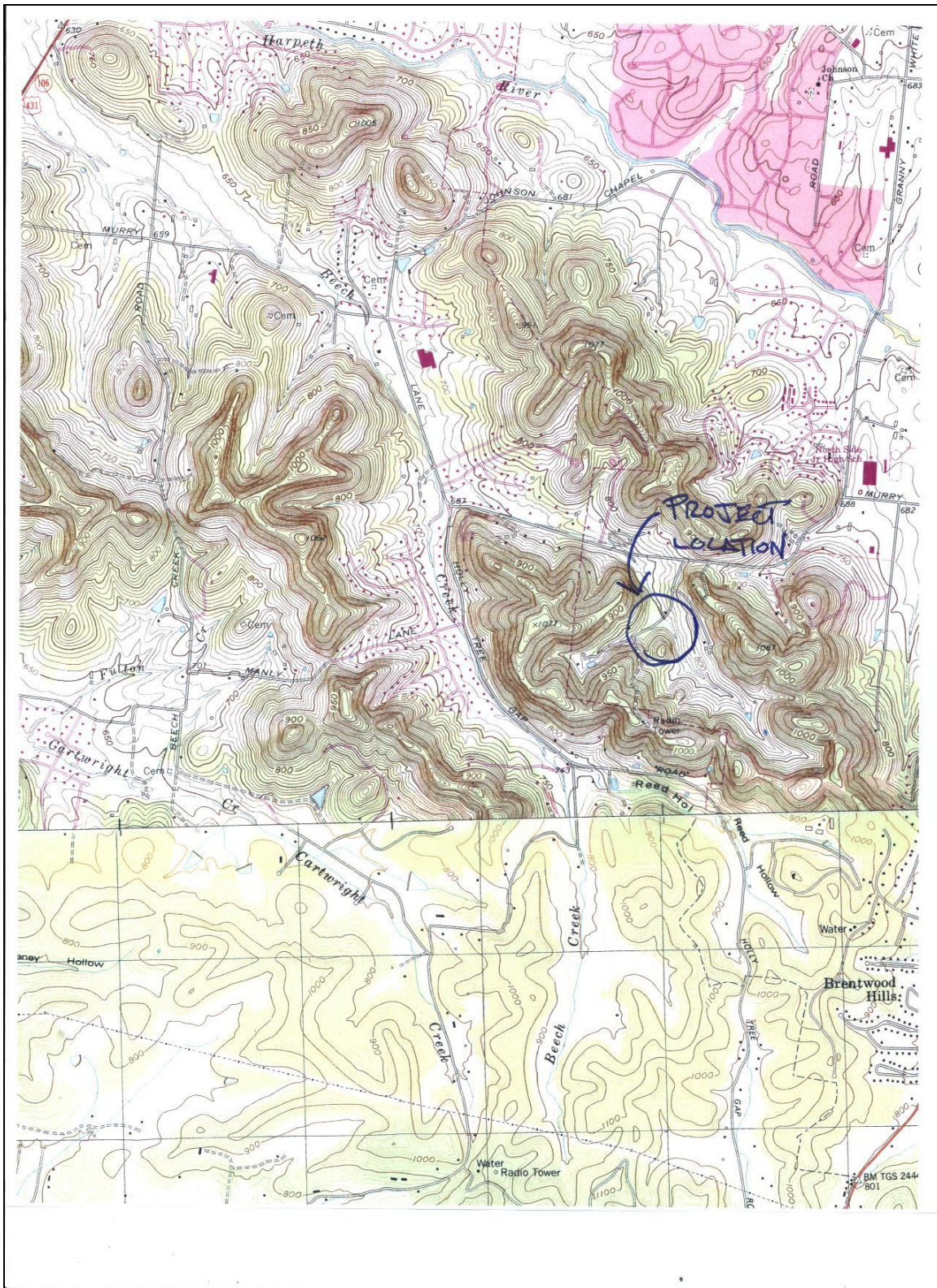
No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.



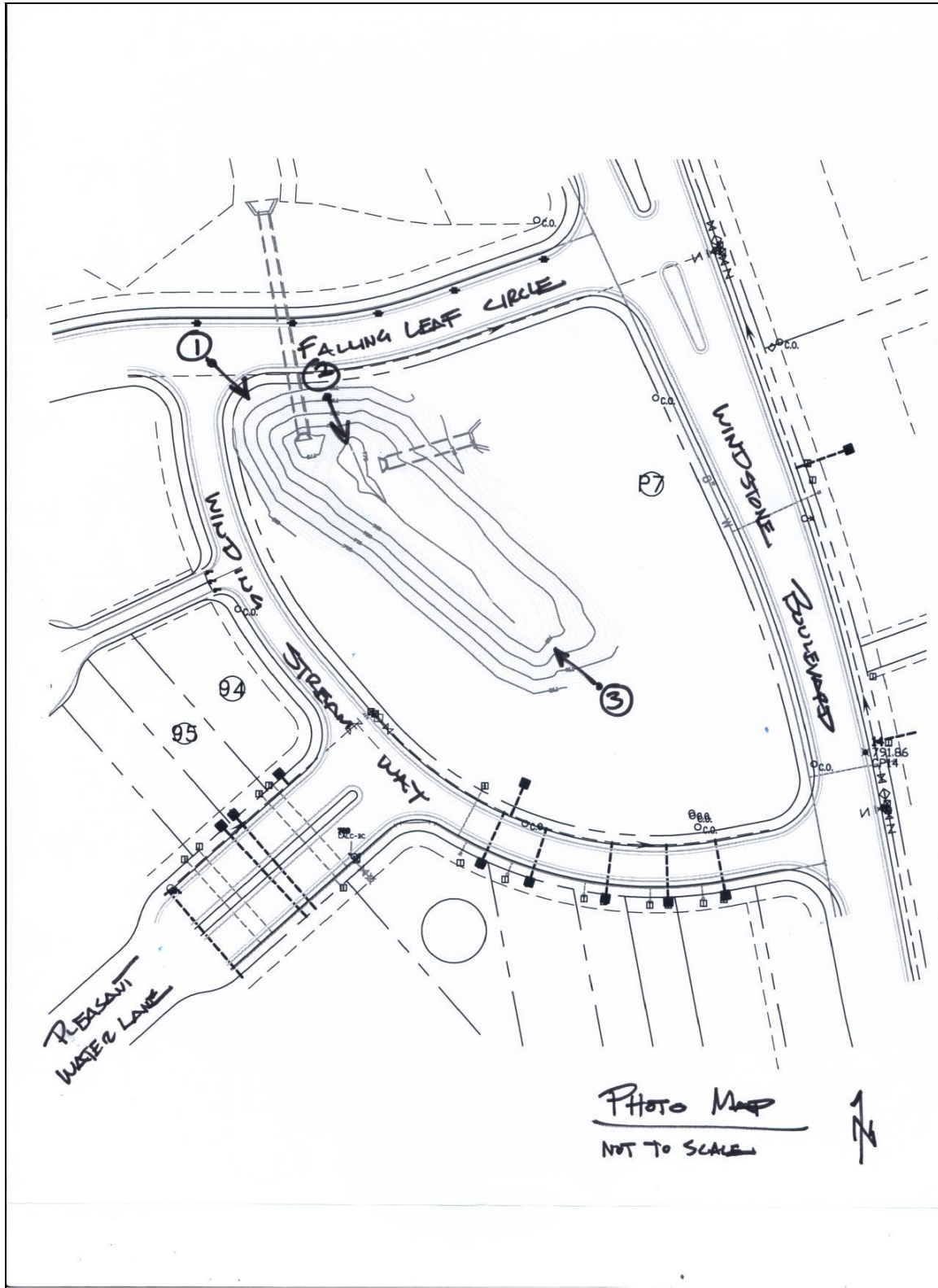




PHOTO # 1

Unnamed Tributary to Beech Creek

SOUTHERN LAND COMPANY
NRS 07.028
PAGE 6.



Ph 800-452-4435
 Fax 615-822-9460
 E-mail jenhillconstr@msn.com
 Website WWW.JENHILL.COM

*Specializing in: Stream Morphology Lake & Stream Monitoring
 Wetland Restoration & Protection Erosion & Sediment Control
 Riparian Restoration & Mgmt Wetpond Plant Management
 Stormwater designs & Water Quality Units*

Submitted to: T.D.E.C.
 Attn: Mike Lee
 (615) 532-0712
Mike.Lee@state.tn.us

At the request of SOUTHERN LAND COMPANY 501 Corporate Centre Drive, Suite 600 Franklin, TN 37067 Phone: 615.778.1210 Fax: 615.778.3170, Daniel Woods, RLA Contact person Daniel.woods@southernland.com, Jen-Hill Construction Materials of TN & KY Inc, 145 Old Shackle Island Rd, Hendersonville, TN 37075, Gary Moody Contact person CPESC/Rosgen, jenhillconstr@msn.com was asked to review and suggest mitigation alternatives for an Alteration III (Elimination/Encapsulation) of a 1st order stream at Windstone.

Data is provided for the cross-sections of the Windstone stream and the proposed mitigation stream (The Little Harpeth at Concord Park in Brentwood). Windstone is on Murray Lane approximately five (5) miles north of the Concord Rd. mitigation site. It is in the adjacent watershed. The ecoregions are the same. Windstone is urbanizing, The Little Harpeth River at Concord Park is an impaired, urban stream (see below).

We propose the following for mitigation consideration under the Enhancement II classification.:

Area I is a drainage swale entering the Little Harpeth from the parking lot at Concord Rd park. It is rutted, and where it empties into the Little Harpeth, is head-cutting. We propose to change the approximately 3' wide invert to an Armorloc vegetated block approximately 75 lft to two step pools draining into the Little Harpeth, appropriate for the size of the stream.

Area II is on the right bank downstream of the footbridge. It is an area where (4) trees have dislodged from the bank and are in the process of falling. The obstruction is causing the water to flow behind the trees and remove bank material. We propose to drop the trees along the bank, anchor them into the bottom of the river using 1/2" re-bar and atra clips, place a fabric on the land side of the trees, and backfill using a combination of soil and rock. We request that we be allowed to deepen the pool in that area and use that material behind the logs to create a 1/3 - 1/2 bankfull bench. The area covers approximately 30 lft of stream length, and is eroded approximately 25' into the bank. The bench will be planted with native vegetation per Enhancement II requirements.

Area III is the final area. It is on the left bank looking downstream. It is a denuded section accessed from the playground area. It is a high pedestrian area. Our proposal is to create a stable bank using Armorloc. Additionally we propose to Armorloc the different trails to the water from this section. There is approximately 760 sft of Armorloc block with appropriate geotextile, fill, and vegetation. The vegetation will be native vegetation per Enhancement II requirements.

The mitigation site is an impaired stream (see below.)

TN05130204 021 - 1000	LITTLE HARPETH RIVER	Davidson Wilkinson	4.1	Low dissolved oxygen Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA NA	Land Development	This stream is Category 4a. It is impaired for one or more uses. However, EPA has approved pathogen, siltation, habitat alteration, and organic enrichment TMDLs for the known pollutants in the stream.
--------------------------	-------------------------	-----------------------	-----	--	----------------------	------------------	---

Proposed Mitigation

